

Fig. 1

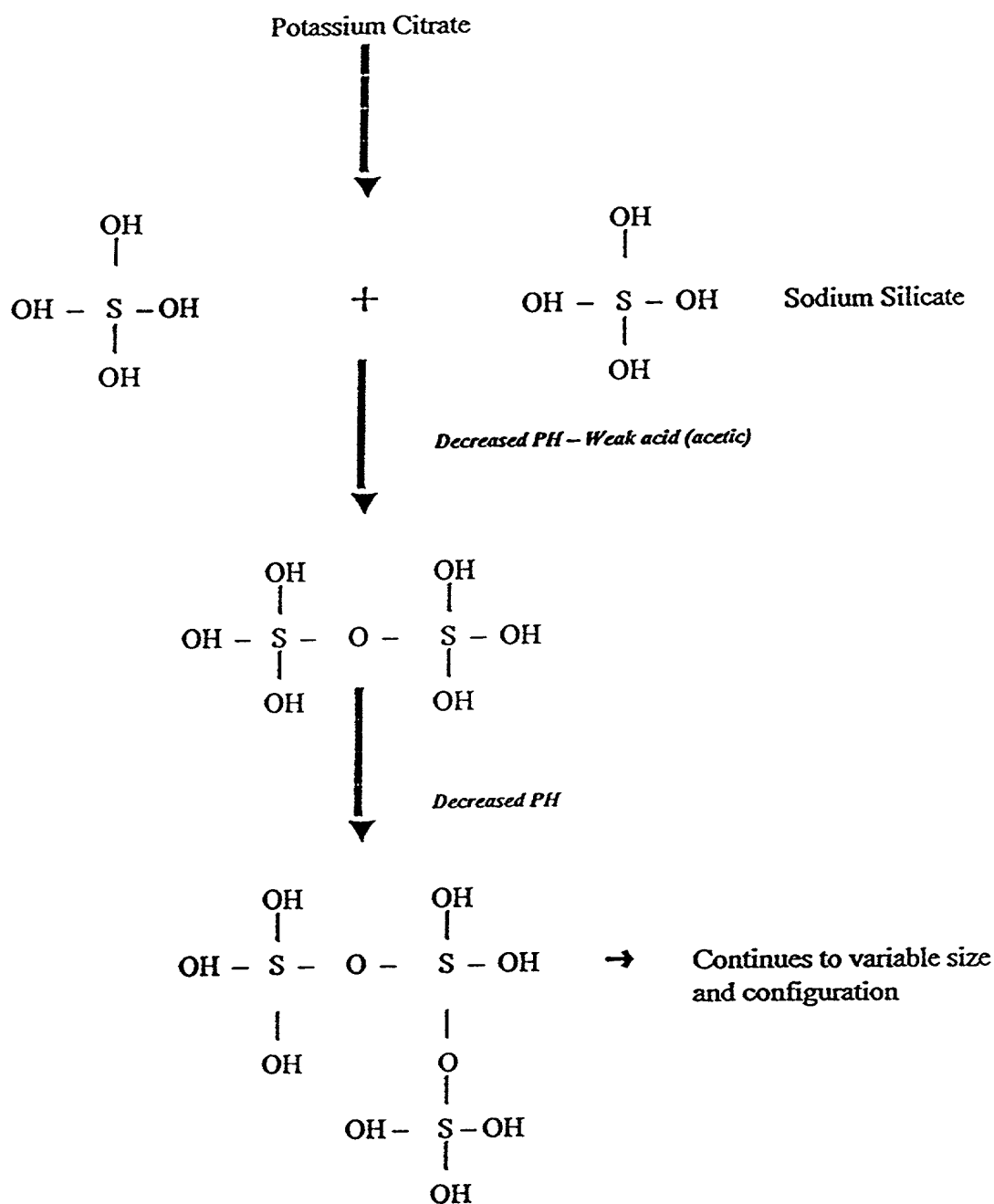


Fig. 2

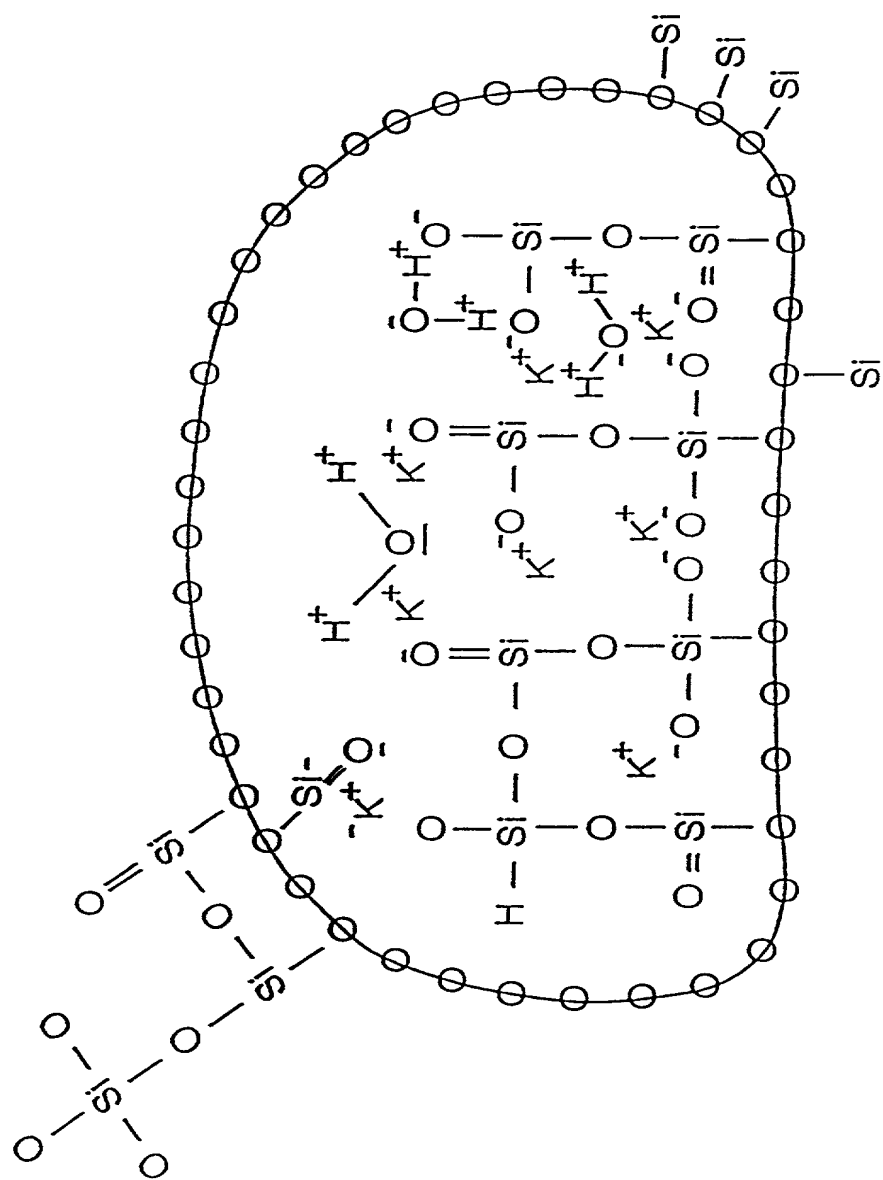


FIG. 3

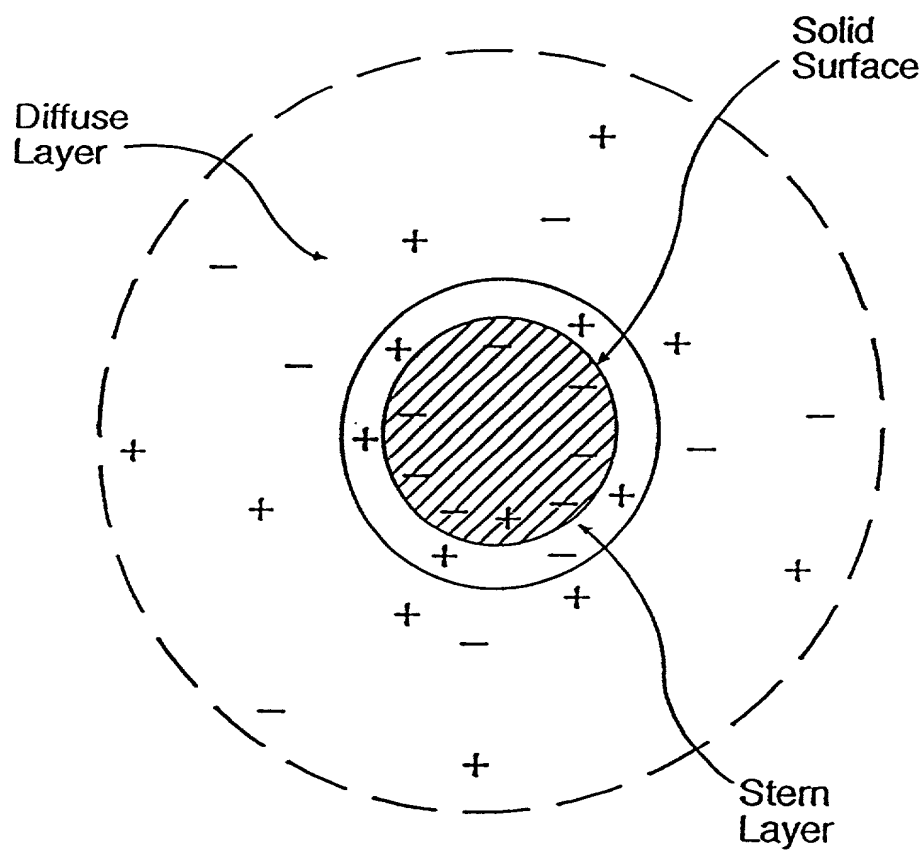


FIG. 4

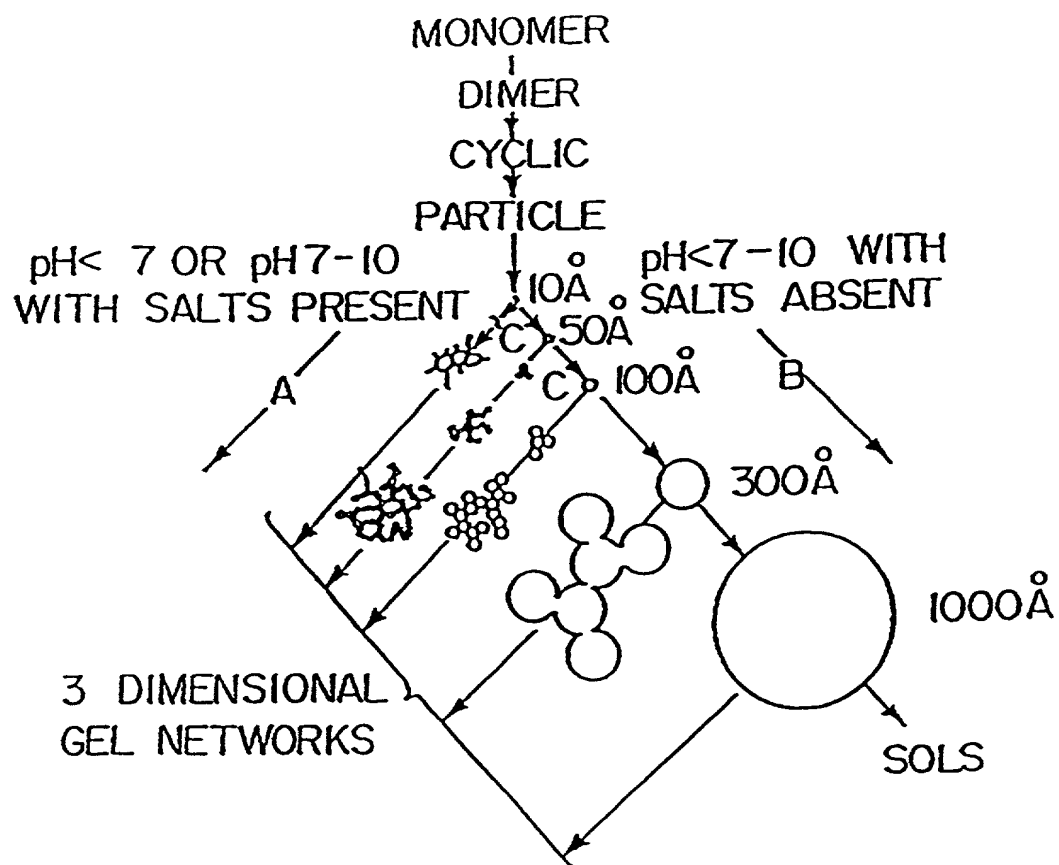


FIG. 5

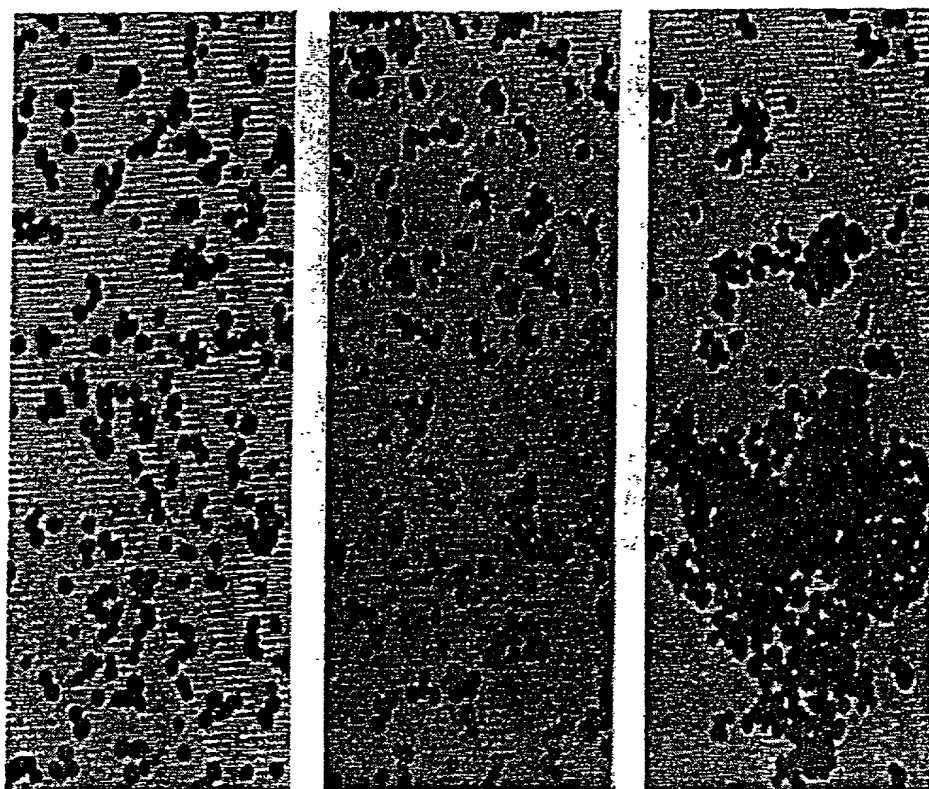
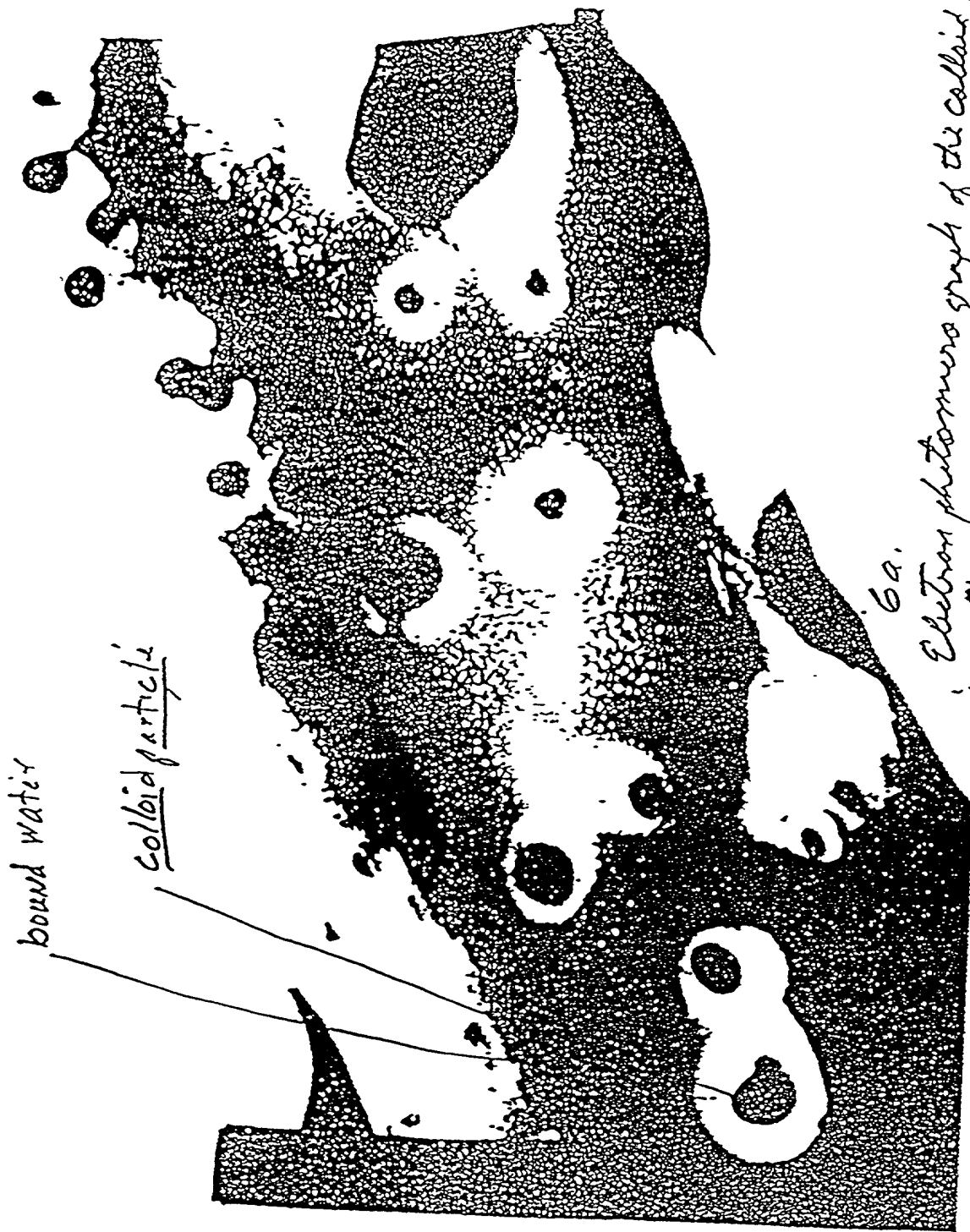


FIG. 26.—Electron micrographs showing stages of aggregation of 35 milli-micron silica particles: *left*, colloidal aggregates; *center*, aggregates approaching colloidal size; *right*, supercolloidal aggregates or precipitate.

FIG. 6



bound water

colloid particle

6a.

Electron photomicrograph of the colloid of the
invention.

5a

FIG. 8 is a schematic diagram of a pipe generator system.

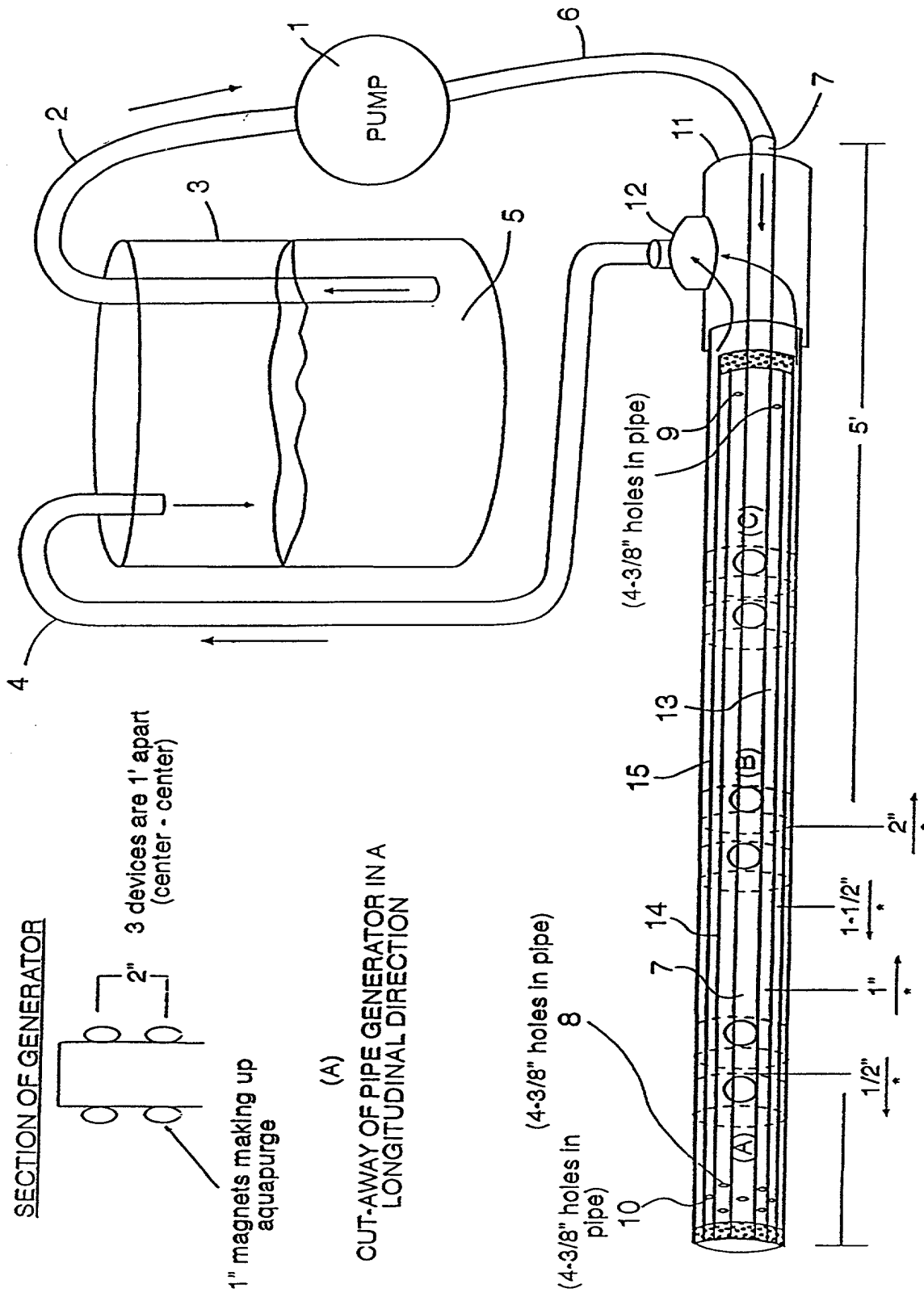
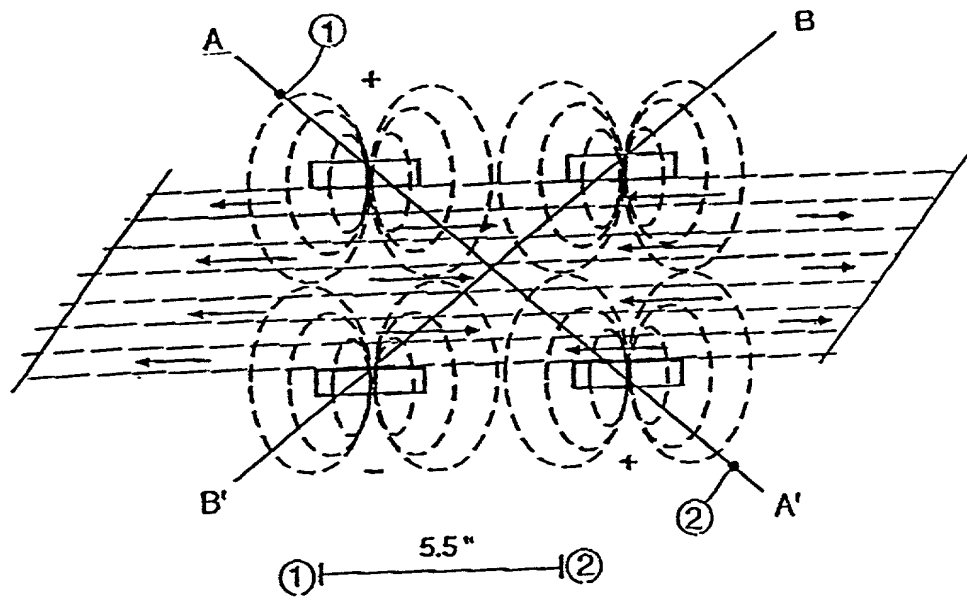


FIG. 8

Cross sectional view of counter current generator of the invention
with lines A-A' and B-B' noted for measurement purposes.



Plot of Gradients in "z" axis

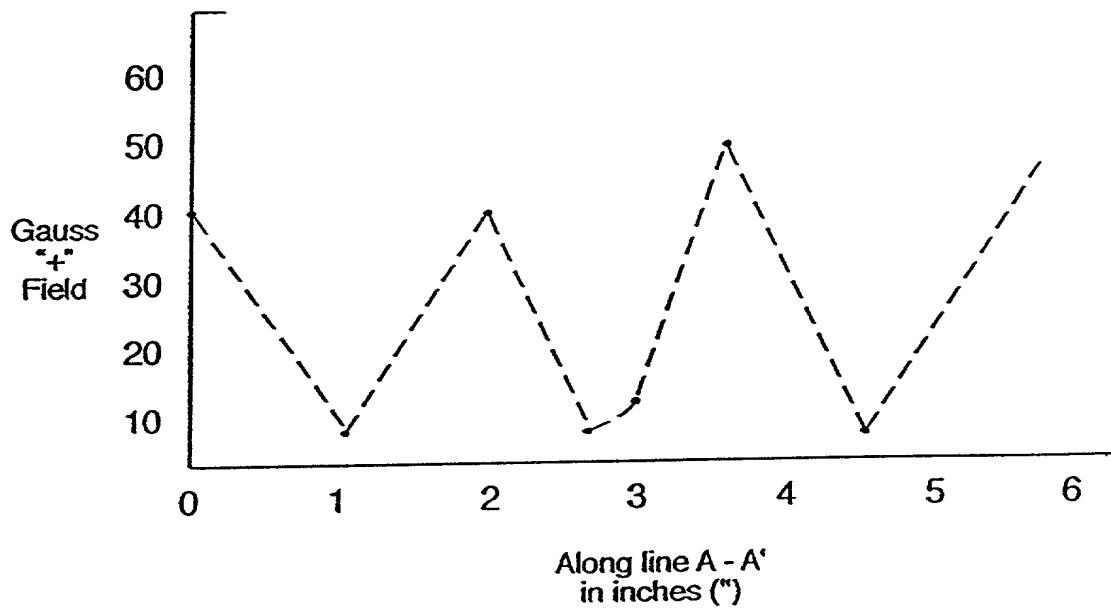


FIG. 9

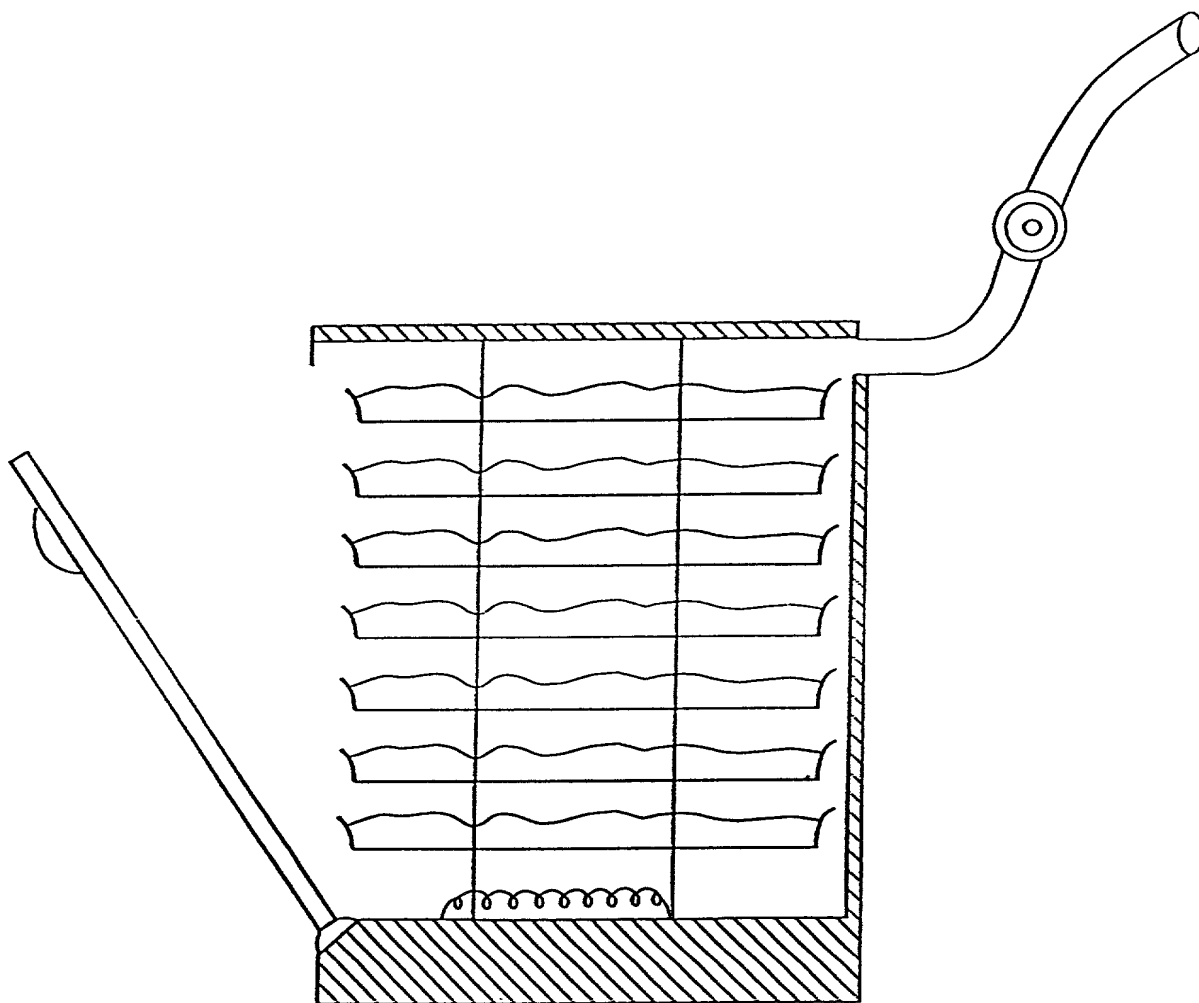


FIG. 10

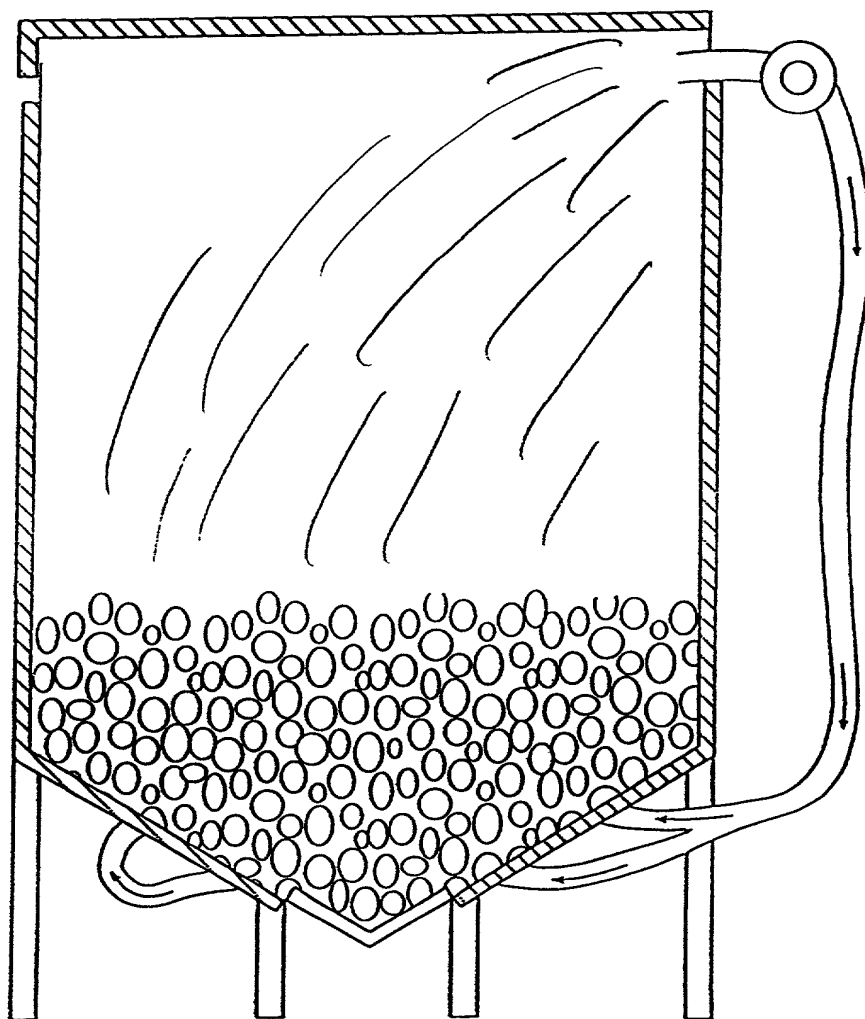


FIG. 11

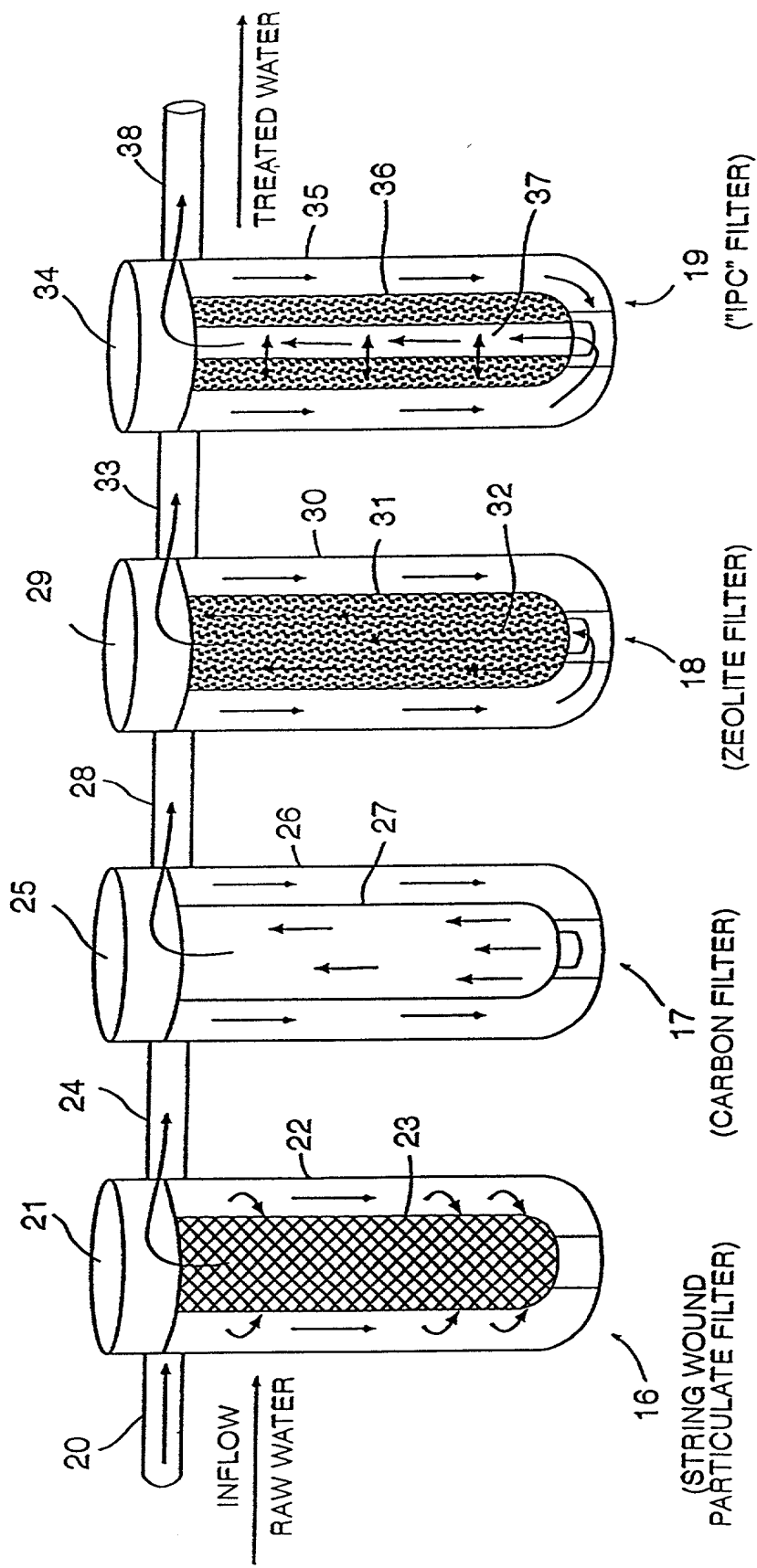


FIG. 12

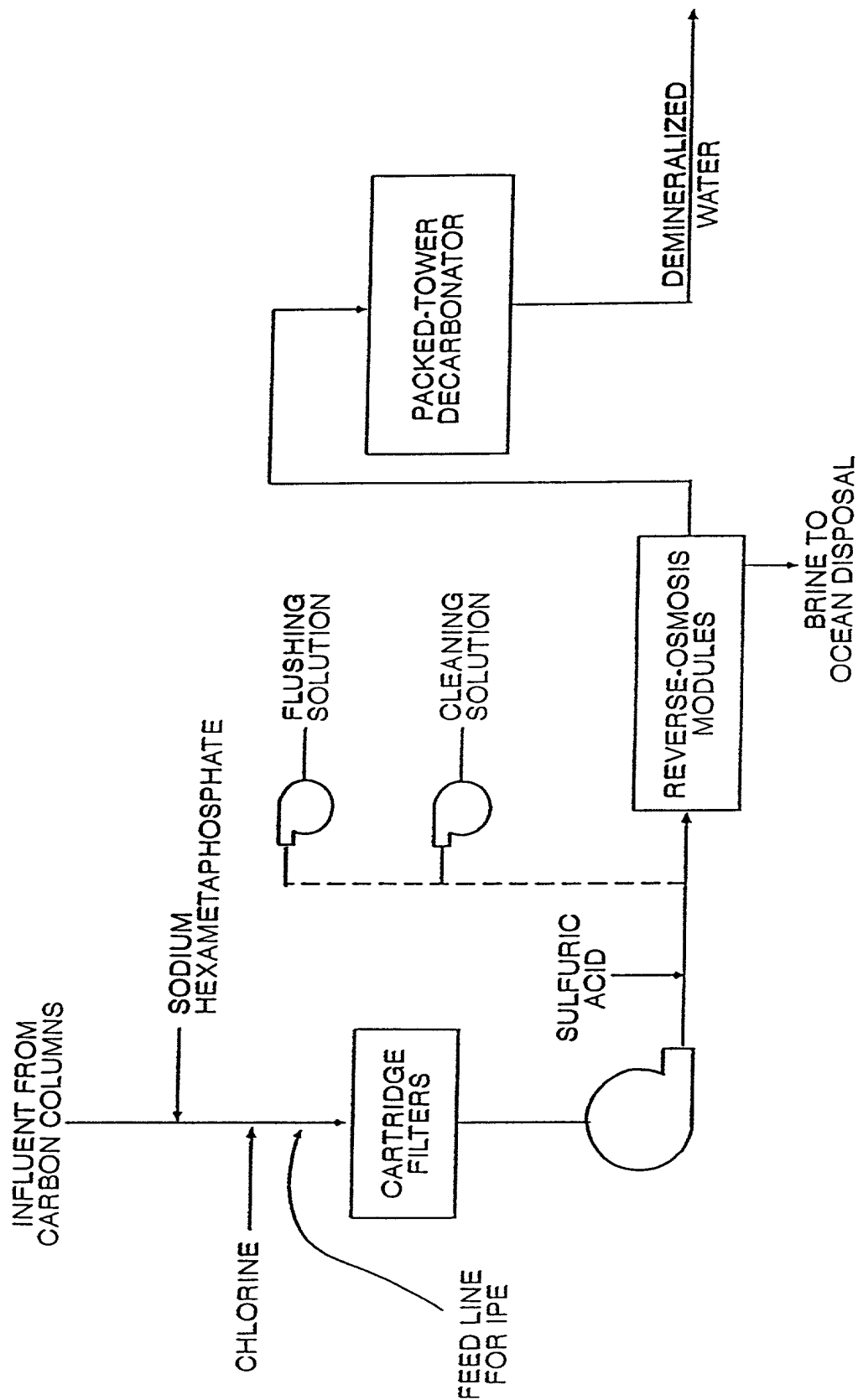


FIG. 26 13

HOME WATER SOFTENER,
WITH AUTOMATIC
CONTROLLER FOR
REGENERATION AND SERVICE
IPC CONVERSION

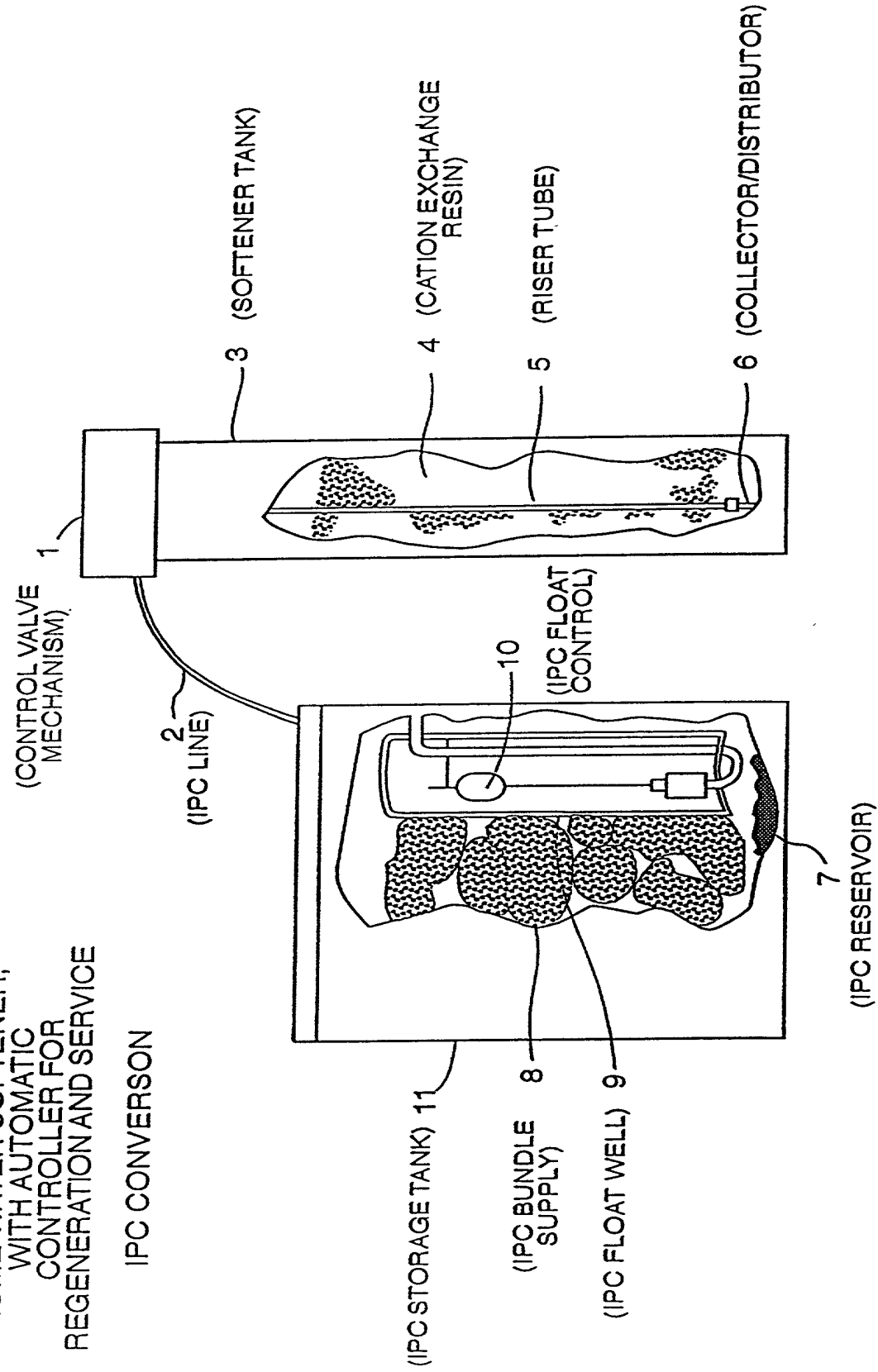


FIG. 14

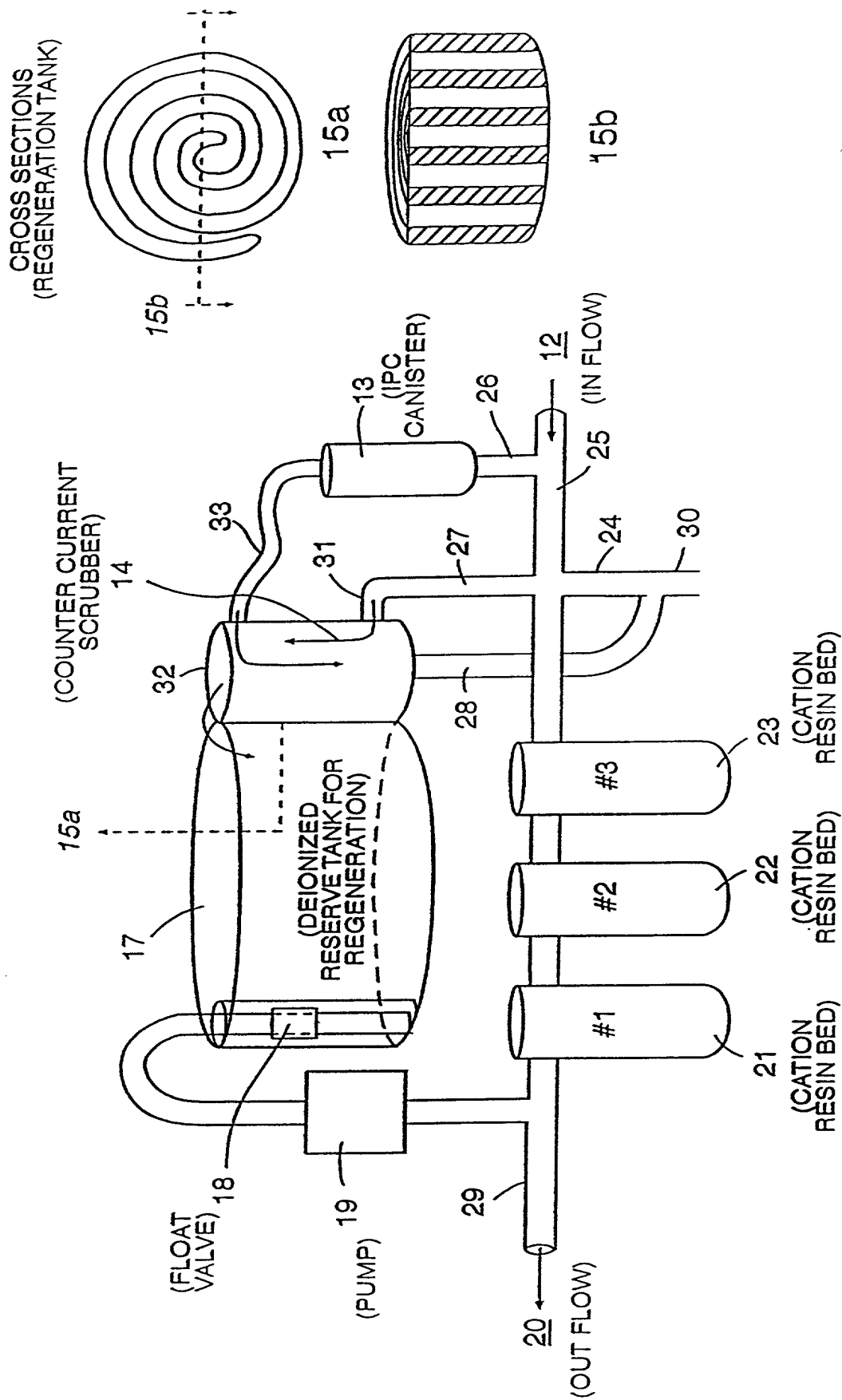


FIG. 15

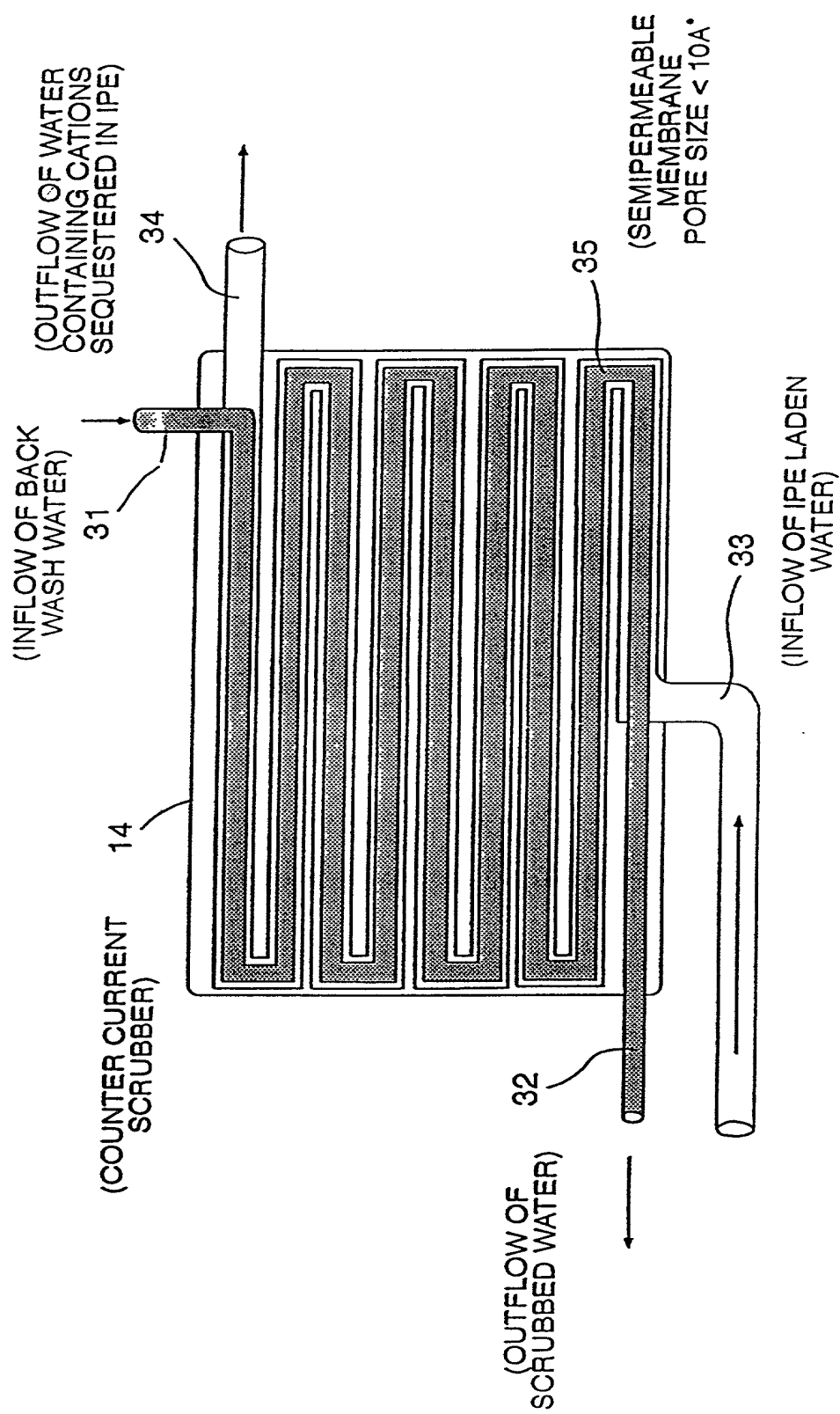


FIG. 16

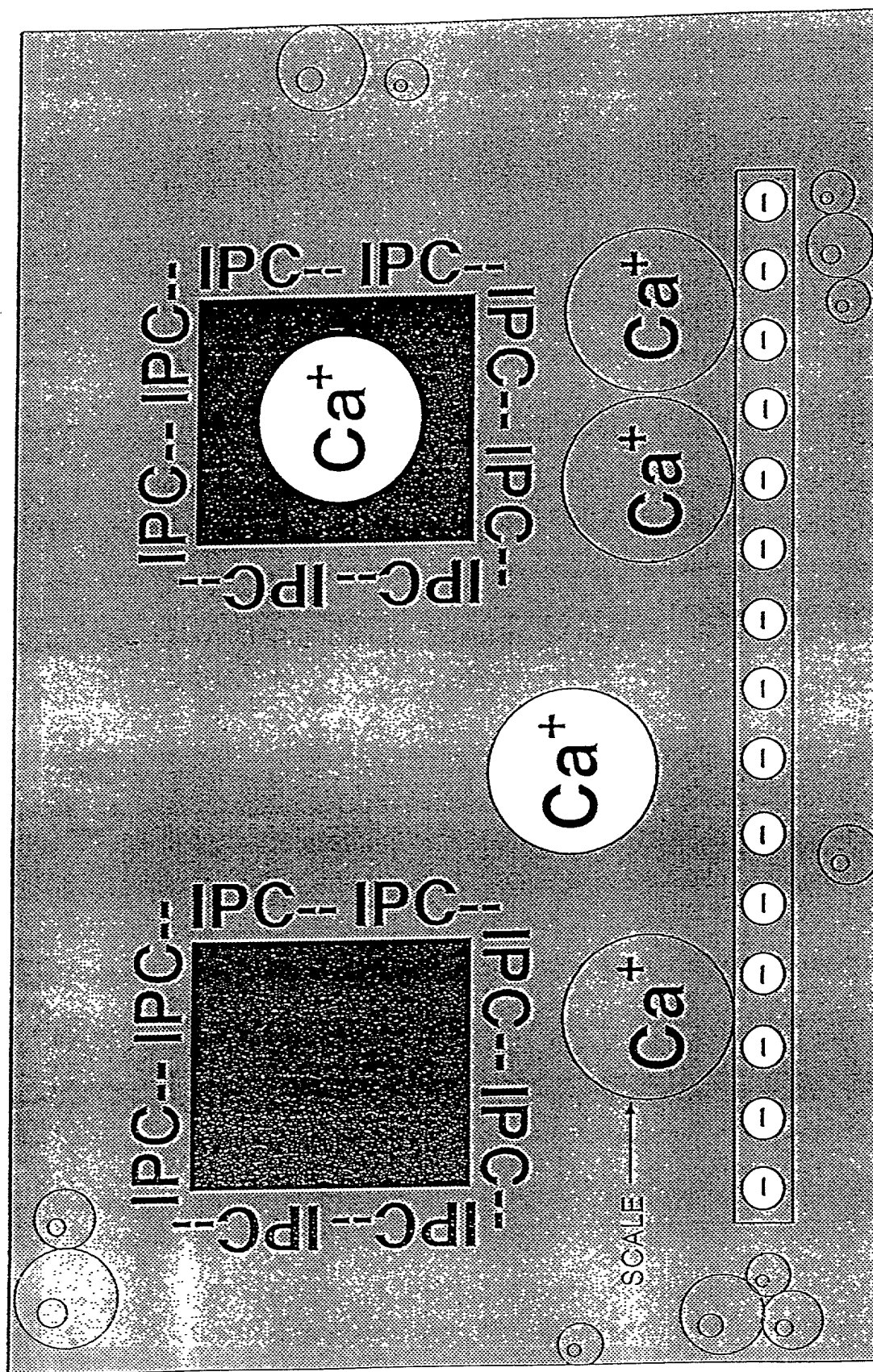


FIG. 17

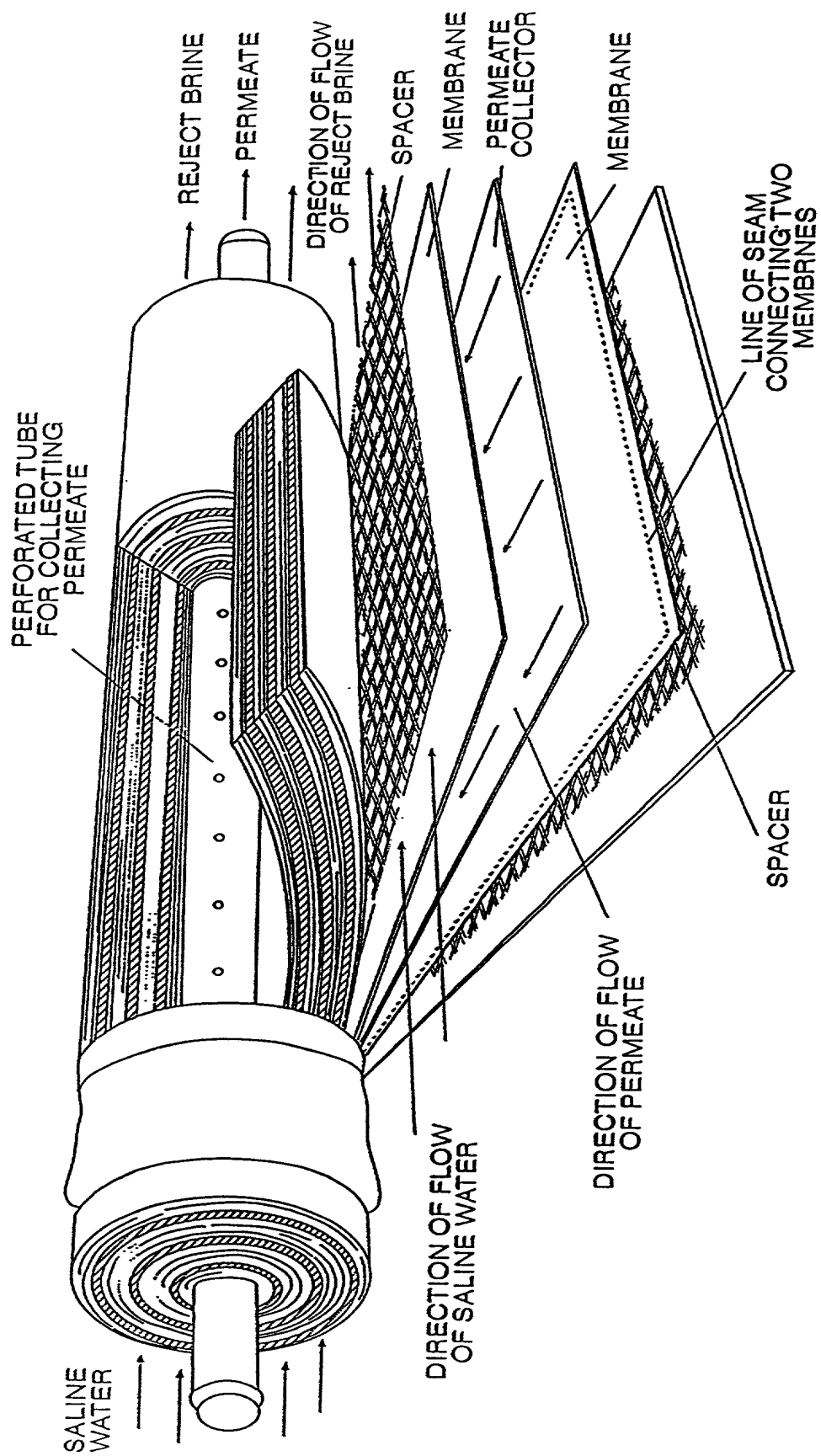


FIG. 18

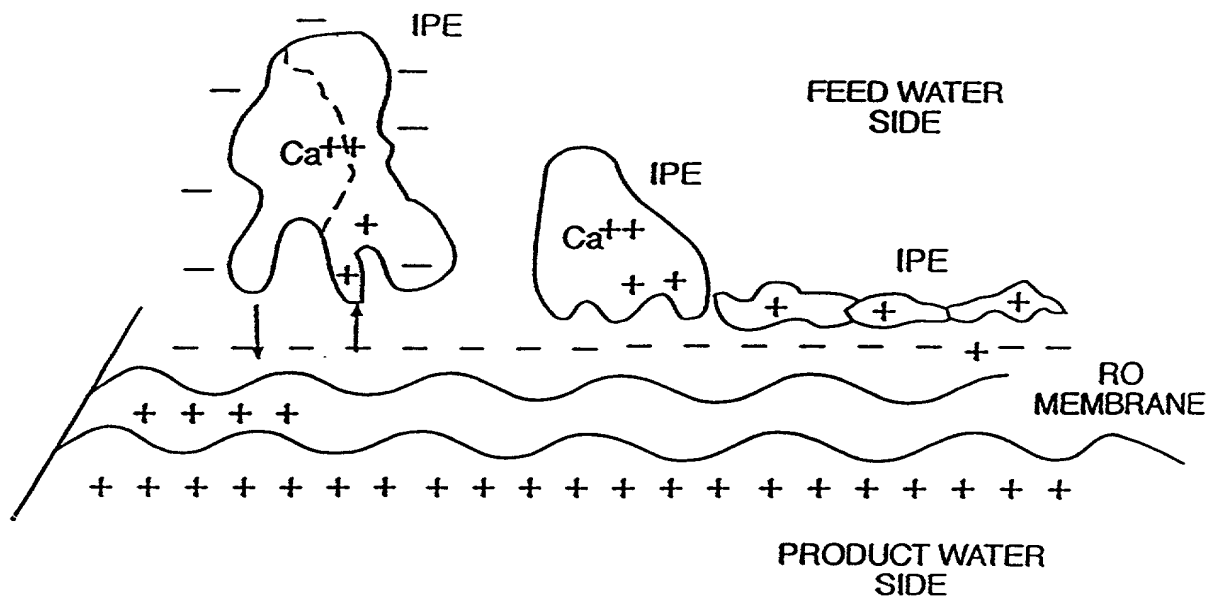
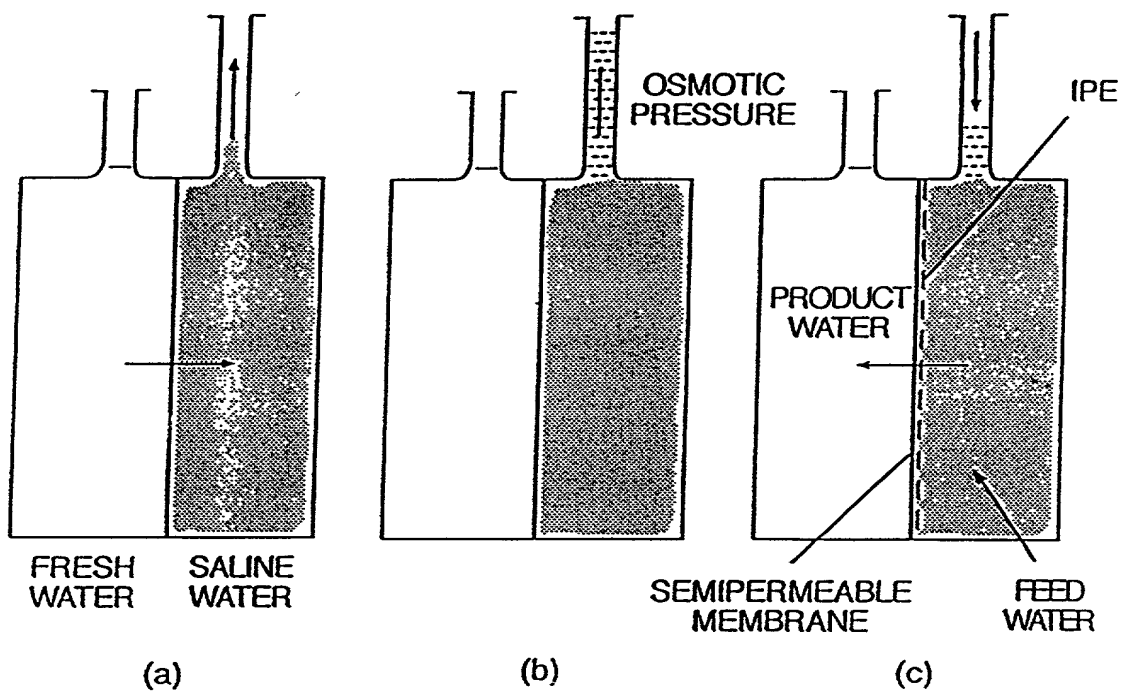


FIG. 19